

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|---------------------|
| L1 | 64 | (74/424.81).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 10:16 |
| L2 | 232 | (74/424.82).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 10:16 |
| L3 | 819 | (74/89.23).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 10:16 |
| L4 | 244 | (74/424.71).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 10:16 |
| L5 | 182 | (74/424.92).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 10:17 |
| L6 | 160 | (74/424.86).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 10:17 |
| L7 | 72 | (1 or 2 or 3 or 4 or 5 or 6) ball nut cap (spring or bias\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/10 10:22 |
| L8 | 1 | ("20030117037").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 11:21 |

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|-----|-----|--|--|-----|-----|---------------------|
| L9 | 1 | ("4557156").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 11:25 |
| L10 | 33 | (74/424.85).OCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 13:02 |
| L12 | 1 | ("3766798").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 13:30 |
| L14 | 220 | (1 or 2 or 3 or 4 or 5 or 6) ((shaft or screw or spindle) with material) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/10 13:32 |
| L15 | 83 | (US-20080129133-\$ or US-20060238050-\$ or US-20060113933-\$ or US-20050264113-\$ or US-20050253469-\$ or US-20080072695-\$ or US-20020184853-\$ or US-20060005645-\$ or US-20050076733-\$ or US-20030066372-\$ or US-20020063014-\$ or US-20070107975-\$ or US-20050199435-\$ or US-20050159866-\$ or US-20040020317-\$ or US-20030201681-\$ or US-20020047460-\$ or US-20040211280-\$ or US-20060156844-\$ or US-20030051569-\$).did. or (US-6492753-\$ or US-7385332-\$ or US-7205693-\$ or US-7239058-\$ or US-7061152-\$ or US-7042128-\$ or US-5821710-\$ or US-5723928-\$ or US-6378646-\$ or US-6202498-\$ or US-6155376-\$ or US- | US-PGPUB; USPAT; USOCR; JPO | AND | ON | 2009/02/10 13:50 |

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|--------------------------|--|--|--|--|
| 5988311-\$ or US- | | | | |
| 5975234-\$ or US- | | | | |
| 5921344-\$ or US- | | | | |
| 5590732-\$ or US- | | | | |
| 5086861-\$ or US- | | | | |
| 5083626-\$ or US- | | | | |
| 4828062-\$ or US- | | | | |
| 4742882-\$ or US- | | | | |
| 4588913-\$ or US- | | | | |
| 6531798-\$ or US- | | | | |
| 6794779-\$ or US- | | | | |
| 6603228-\$ or US- | | | | |
| 6941724-\$ or US- | | | | |
| 5313765-\$ or US- | | | | |
| 6991062-\$).did. or (US- | | | | |
| 3660704-\$ or US- | | | | |
| 4878004-\$ or US- | | | | |
| 7055646-\$ or US- | | | | |
| 6186268-\$ or US- | | | | |
| 6144137-\$ or US- | | | | |
| 6123167-\$ or US- | | | | |
| 4557156-\$ or US- | | | | |
| 5809838-\$ or US- | | | | |
| 6464034-\$ or US- | | | | |
| 7433767-\$ or US- | | | | |
| 7337689-\$ or US- | | | | |
| 7325646-\$ or US- | | | | |
| 7312545-\$ or US- | | | | |
| 7242128-\$ or US- | | | | |
| 7207235-\$ or US- | | | | |
| 7121379-\$ or US- | | | | |
| 6864605-\$ or US- | | | | |
| 6244374-\$ or US- | | | | |
| 6484599-\$ or US- | | | | |
| 6084326-\$ or US- | | | | |
| 7350434-\$ or US- | | | | |
| 6237434-\$ or US- | | | | |
| 4795172-\$ or US- | | | | |
| 4211125-\$ or US- | | | | |
| 3124969-\$ or US- | | | | |
| 2844044-\$ or US- | | | | |
| 6376958-\$).did. or (US- | | | | |
| 5091668-\$ or US- | | | | |
| 4604911-\$ or US- | | | | |
| 6874939-\$ or US- | | | | |
| 6092434-\$ or US- | | | | |
| 4841796-\$ or US- | | | | |
| 2924113-\$ or US- | | | | |
| 4415054-\$).did. or (US- | | | | |
| 3258983-\$).did. or (JP- | | | | |
| 2000177609-\$ or JP- | | | | |
| 03273841-\$).did. | | | | |

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| L16 | 12 | 15 (magnet with gap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/10 13:50 |
| L17 | 641 | (310/80).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 13:56 |
| L18 | 1921 | (310/83).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/10 13:56 |
| L19 | 39 | (17 or 18) (magnet with gap sleeve) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/10 13:56 |
| S1 | 19 | ("20030117037" "4588913" "4742882" "4828062" "4841790" "4842090" "4893518" "5083626" "5086861" "5590732" "5685391" "5921344" "5975234" "5988311" "6155376" "6186268" "6202498" "6378646" "6492753"). PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/01 13:27 |
| S2 | 36 | ("0645247" "0829975" "1194645" "3250976" "3648090" "4546293" "4554472" "4562367" "4694213" "4920295" "5130592" "5233254" "5455473" "5486730" "5627419" "5677605" "5723928" "5739664" "5821710" "5834874" "5973428" "6181048" "6191513" "6249069" "6329736").PN. OR ("6492753").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/01 13:31 |

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| S3 | 36 | ("0645247" "0829975" "1194645" "3250976" "3648090" "4546293" "4554472" "4562367" "4694213" "4920295" "5130592" "5233254" "5455473" "5486730" "5627419" "5677605" "5723928" "5739664" "5821710" "5834874" "5973428" "6181048" "6191513" "6249069" "6329736").PN. OR ("6492753").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/01 13:33 |
| S4 | 818 | (74/89.23).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:05 |
| S5 | 244 | (74/424.71).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:10 |
| S6 | 63 | (74/424.81).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:10 |
| S7 | 232 | (74/424.82).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:10 |
| S8 | 118 | (74/89.44).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:10 |
| S9 | 33 | (74/424.85).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:10 |
| S10 | 232 | (74/424.82).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:11 |

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| S11 | 640 | (310/80).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:12 |
| S12 | 334 | (S5 or S6 or S7 or S8 or S9 or S10 or S11) magnet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/01 15:13 |
| S13 | 1 | ("4521707").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:31 |
| S14 | 2 | (("6067868") or ("4614128")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:31 |
| S15 | 6 | (("5130585") or ("6531798") or ("4040445") or ("6081051") or ("6223971") or ("5142172")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:33 |
| S16 | 7 | ("5549015" "5966988").PN. OR ("6223971").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/01 15:38 |
| S17 | 1919 | (310/83).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 15:49 |
| S18 | 240 | (screw or actuator).ti. (magnet with sleeve) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/01 15:49 |
| S19 | 12 | ("20010017495" "20010026103" "20040046465" "20040066103" "6528913" "6617719" "6674196" "6740999" "6836038" "6954015" "6987338" "7021973").PN. OR ("7151333").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/01 16:16 |

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| S20 | 50 | ("3715865" "3757487" "3771283" "3895478" "3974884" "4086747" "4173104" "4222215" "4276734" "4295320" "4304611" "4437289" "4535583" "4557029" "4562685" "4571920" "4599846" "4604853" "4608806" "4633646" "4658565" "4674264" "4756137" "4901504" "4905447" "5157897" "5313765" "5321935" "5327697" "5339597" "5339600" "5419094" "5425402" "5437139" "5467527" "5490369" "5531057" "5533608" "5584161" "5623806" "5653564" "5687552" "5809742" "5816029" "5996311" "6041571" "6240678").PN. OR ("6941724").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/01 16:20 |
| S22 | 48 | ((ball adj screw) or ballscrew).ti. magnet\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/01 16:24 |
| S23 | 182 | (74/424.92).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 16:25 |
| S24 | 123 | (74/89.34).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/01 16:27 |
| S25 | 13 | ((ball adj screw) or (ballscrew)) (sleeve with laminat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/02 09:20 |

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| S26 | 19 | ("20030117037" "4588913" "4742882" "4828062" "4841790" "4842090" "4893518" "5083626" "5086861" "5590732" "5685391" "5921344" "5975234" "5988311" "6155376" "6186268" "6202498" "6378646" "6492753"). PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/02 09:45 |
| S28 | 3 | S26 (laminat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/02 09:45 |
| S29 | 244 | (74/424.71).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/02 09:52 |
| S30 | 63 | (74/424.81).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/02 09:52 |
| S31 | 232 | (74/424.82).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/02 09:52 |
| S32 | 118 | (74/89.44).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/02 09:52 |
| S33 | 33 | (74/424.85).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/02 09:52 |
| S34 | 232 | (74/424.82).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/02 09:52 |

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| S35 | 640 | (310/80).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | | OFF | 2009/02/02 09:52 |
| S36 | 95 | (S29 or S30 or S31 or S32 or S33 or S34 or S35) (shaft with (return or recirculate)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | | ON | 2009/02/02 09:52 |
| S38 | 110 | ((ball adj screw) or (ballscrew)).ti. (cap (return or recirculat\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | | ON | 2009/02/02 10:01 |
| S40 | 17 | ("3156133" "3176535" "4364282" "4859394" "4924722" "5284219" "5388475" "6082210" "6192585").PN. OR ("6454042").URPN. | US-PGPUB; USPAT; USOCR | AND | | ON | 2009/02/02 10:11 |
| S43 | 155 | ((ball adj screw) or (ballscrew) or actuator) (cap (return or recirculat \$4)) wip\$3 preload | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | | ON | 2009/02/02 10:19 |
| S44 | 36 | ((ball adj screw) or (ballscrew)) (cap (return or recirculat\$4)) wip\$3 preload\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | | ON | 2009/02/02 10:25 |
| S45 | 16 | ("4557156" "4666014" "4694925" "4773497" "4811813" "4887682" "5975234" "5998311" "6123167" "6144137" "RE32222").PN. OR ("6378646").URPN. | US-PGPUB; USPAT; USOCR | AND | | ON | 2009/02/03 13:32 |
| S46 | 18 | ("4593780" "4735271" "4754829" "4765426" "4771845" "4784234" "4819170" "4825972" "4837692" "4841790" "5482128" "5711396" "5921344" "5957236" "6129171" "6155376" "6186268" "6378646").PN. OR ("7055646").URPN. | US-PGPUB; USPAT; USOCR | AND | | ON | 2009/02/03 13:34 |

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| S47 | 40 | ("2895343" "2936645" "2978920" "3156133" "3393575" "3393576" "3393577" "3851541" "4000664" "4148226" "4438986").PN. OR ("4557156").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/03 13:43 |
| S48 | 1176 | steering.ti. (ball or bearing or rolling) (screw or shaft) magnet\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/03 14:04 |
| S49 | 85 | S48 ((sleeve or collar) with (magnet\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/03 14:06 |
| S50 | 442 | S48 nut | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/03 14:27 |
| S51 | 2 | ("5934144" "6354395"). PN. OR ("7377194"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/03 15:54 |
| S52 | 23 | ("4666014" "4735271" "4800974" "4918744" "5299649" "5437349" "5555951" "5573079" "5650701" "5904224" "5908457" "5921344" "5971094" "5988311" "6000491" "6006854" "6026924" "6041885" "6082483" "6123167").PN. OR ("6244374").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/03 16:21 |
| S53 | 85 | (ball adj nut) spring (wip \$3 or seal\$3 or scrap\$3) (end adj cap) return | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/05 13:47 |
| S54 | 14 | (ballscrew or (ball adj screw)).ti. cap (wip\$3 or seal\$3 or scrap\$3) spring | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/05 14:07 |

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| S55 | 1 | (ballscrew or (ball adj screw)) (return adj cap) (wip\$3 or seal\$3 or scrap \$3) preload\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/05 14:11 |
| S56 | 63 | (74/424.81).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/05 14:17 |
| S57 | 244 | (74/424.71).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/05 14:21 |
| S58 | 24 | (ball adj nut) with (return cap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/05 14:30 |
| S59 | 232 | (74/424.82).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/05 14:37 |
| S60 | 35 | magnet with (sleeve near3 laminat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | AND | ON | 2009/02/09 14:03 |
| S62 | 20 | ("3258983" "3851541" "4211125" "4286793" "4557156" "4604911" "4612817" "4677869").PN. OR ("4795172").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/02/09 15:12 |
| S63 | 159 | (74/424.86).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/02/09 15:32 |

2/10/2009 2:33:53 PM

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